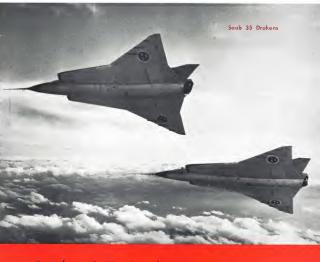


October 29, 1956 50 cents

Piper Broadens

Model Line to

Meet Sales Goal



Aerodynamic Heating Taxes Test Ingenuity

Supersonic, Space Flight Simulated





New Electrical Horizons . . .

CONSTANT SPEED DRIVES - AIRCRAFT ACCESSORIES



To a 5,000-cile flight, each pound served takes on solded Farm, the DC-7C specified Goadwar Tot-Metallic Strakes to

PARISITIES + ABILITIE Thirst water wheels of the and magnesians by Goodsons were selected as original equipment became all their record



The Donalds C-133A Navigator seats for these behavioths ove designed and built by Webry.







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# Dow high temperature magnesium alloys have excellent fabrication characteristics

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you can depend on **DOW MAGNESIUM** 

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#### WELDING PROGRESS REPORT

#### Production Line Experience Proves the Consistency of New Sciaky Electronic Weld Control

First reports from account industry - all control dials for interval functions Simple Maintenance controlled welders

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### NOW THE DFA-70-SMALLER, LIGHTER WITH GREATER ACCURACY, HIGHER SENSITIVITY rates throughout, and now complete that









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work on contracts covering fourteen of the country's key meets us electromes and in anticall and wrapon systems. - epons up outstanding opportunities for a complete range career in avivious, you will find it at Terrico.





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REACTION MOTORS, INC.

DENVILLE, NEW JERSEY

Power I for Progress

HOT PARTS TO HURDLE THE THERMAL BARRIER

STON ENGINES

ROCKETS

THE CONTROL OF THE PROPERTY OF

High speeds in flight yours high transport. thus uncontact field-able to draw uses us.

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We want you to see for yourself how this environment, appreciately desired to ARING poliability and long-life factors of sixtome rador pensionnent manufactured by Stewart-Warner



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# HIGH-TEMPERATURE AC GENERATORS

meet military class C air-cooled specifications ... offer maximum performance at minimum size and weight...range from 9 KVA to 60 KVA

There emperators are designed as most of convolete Red Rook magnetic amphilier voltage regulators and system protection components. For full details, write Red Bank Division. Bendix Avienna Corporation, Estuateur, New Irrary West Court Strike and Streeter 127 E. Pouldamin Ann., Ordered. Call Ordering Politica, According United Vol. 70 Big 1511, Mindows P. Formed States and Service Months Supervision Strike Strike Strike Strike Strike Strike





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include the Strocked Particles hadring system. A product of Streshold research and development, Particles with premise therings and laboratifrom move, sic, water, and and unimproved ferrain as well as altander source, the terrander vesselling of the supremise wait networks seed for conventional arguest and contribute materially to the advancement of the authority experience and complete relating of the supremise of the laboration common and complete relating of the Strocket







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AVIATION WEEK

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Les Annaire 17-1125 West State St., Phone: MAdoon 6-9351 PROPERTY AND A **USAF Pushes Maintenance Gemends** carson Emer E tot Airlines Adelred to Pantrant let Susshaul 19 AND MUNICIPAL VALUE (SOCIETY) \*Airlines maintenance afficials are introduced to completities of Earth A Antonio Airline Grewth Indicates Healthy Profits .....

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# Lockheed launches 3 new aircraft!

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2905 Fewtenith Avenue.

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#### **FDITORIAL**

## What's Wrong With British Aviation?

For the past several years, there has been a much ride nustical engineer, Air Commodore F. R. Braks, an

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# WYMAN-GORDON COMPANY

FORGINGS OF ALUMINUM + MAGNESIUM + STEEL + TITANIUM WORCESTER 1. MASSACHUSETTS

### WHO'S WHERE

In the Front Office

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E. M. Schuget use president generatives, restracts, Desalath Industries, Inc., Bullele. Steder I Roods, many you wonderd. Non-Warrer Ciry., Chargo, IB

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## INDUSTRY OBSERVER

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► Wark is almost complete on five per-production models of Dissault's Sour Abotes R2 mathematic febter Production models are dec to heria relieus of the production line of Densell's Mengrae plant in colo 1957. French we feet already has codered \$05 of the street, making 4 hauset, the RC current two 10 mes, cramon and marries,

First Lockhood F 1944 Studighton see scheduled to go into countroud ► Main came held of 500 mph. Douglas C-132 tachegore transport is large areas), to accommodate for remounter bear. Smaller gam held in water next of the "deahle-habble" fundanc to believed to be about hereopport for bold a DC-6 brocker. Species extra core quarters are located forward of the upper hold. Accous to cockpit is by sharrow from more

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# AMF has missile experience you can use



AMERICAN MACHINE & FOUNDRY COMPANY

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- Washington Roundup -

Stock Hearings

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Another CAB Investigation

Army Steals Missile Morch

#### Second Thoughts

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#### **USAF Pushes Maintenance Demands** Maintainability remirement may be written into all

contracts; jet engine makers to feel chance first.

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Maintenance in Design

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British Air Official Replies to Criticism



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LATEST Tigo at 61



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### ARDC to Test Crew Endurance For Extended Nuclear Flights

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#### Honolulu Residents Battle Jet Noise

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C-130 Equipped With New Radome

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#### Cessna's 1956 Sales Exceed 866 Million

## Services to Build 10

Minitrack Installations Wedgetos-The arred servers will

Nas. Electrones Laborators, Son. Martin Co. Reports Third Quarter Sales Higher

# Buffitnere-Marks Co reported sales

### Small Firms Got Less USAF Funds in FY '56

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# Airlines Advised to Contract Jet Overhaul

By Irring Stone
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# T56 Experience

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#### **News Digest**





Compressor - Selected Valves -

STRATOS A DIVISION OF FAIRCHILD ENGINE & AIRPLANE CORPORATION

Mem Plant Stor Shore, L. L. N. Y.







# KEI CEY-HAVEC

Hallony-Happer Wheel On , Section St., Mich. - Major Supplier to the Antonoxine, Antaline and Agricultural Industrials of FLATTS - Asymmetric Denotes of Antono, Michigan, McKenpus, Fr. Les Aspins, Daff, Washer, Danier Conste. - Artistion Asimus Michigan, Annualist, Gale (IPASO), Antono, Editorius and Marker, Tell Supersy, Usin, Nov. Tell Antono.



#### Sidewinder for FJ-3

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#### AIR TRANSPORT

## Airline Growth Indicates Healthy Profits Third-quarter trends point to 14% gain in truffic levict of smeshed in the third gas

for 1956 despite slow start in travel last summer. By Crast Level

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International Galan

traffic was on 15% Same Pan Amen

Delta for Easts reports received up 167% to \$17.834.000 on the Bule.

In the first user mouths, Copital had an opening loss of \$1,571,000, com-

Capital a hopes for future profits are Capital had an operating peofit of \$440,000 and a net work of \$52,000 or

Transatlantic Traffic Increases Last year's powersery divided 197,400

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BOAC Can Buy 707s

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#### Airways Development Plans Keyed to Jets total evolution tests on equipment, controllers with pilot normic operators.

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Washingto peach of a Borne 707

### California Eastern May Purchase Convair 880 for Overseas Routes

New York-Civicena Eastern Asso-thousan for the 588's adoptable to



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# Shortlines

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AIRLINE OBSERVER

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. Assess plan to be their DC to to replace to Super Contributions.

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P Accordan's first Economic jet schedule consists of two Tin-101 Sights cuch

► Civil Associatios Board has extended approval of Trans World Airlians' used. TWA continues to be approached for assessment of Ethinpire Air.

Lesco excestmen. ► Carchodovaku will bey Te-801 et transperts from Rassa en 1950 ar

\* Coll Associates Administration has presonal new conditions required new reference ratio receiving and distribus finding empowers in accordance with RTCA's paper \$3-56/DO-70. Balong is to be effective November 38.

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# Airline Income and Expenses - August 1956

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How to set belicopies across long streetlys of water or Subjection receipt where remod furtilizing are non-partitions

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# Honeywell



McDonnel's two top: "Voodoor" (ighters fly with heneywell Audiphoth. The classified F-1/01B (slater ship to the F-1/01A shown) has the new heneywell McDoAudpolist, which does more for the pilot than any other flight control system ever designed. A primary heature of this audipliot is a universal coupler for automatic ground control intercept, for instrument landing, and fire control. The McDo is another example of Honeywell Acro Isadership in high performance control existens.

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#### Satellite to Utilize Small, Light Inverter Torontorace (son-estatum) ra-

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By Erwan J. Bulban

The 1977 Congreche has over 100

## Standard 1957 Line

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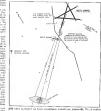
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#### LETTERS

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